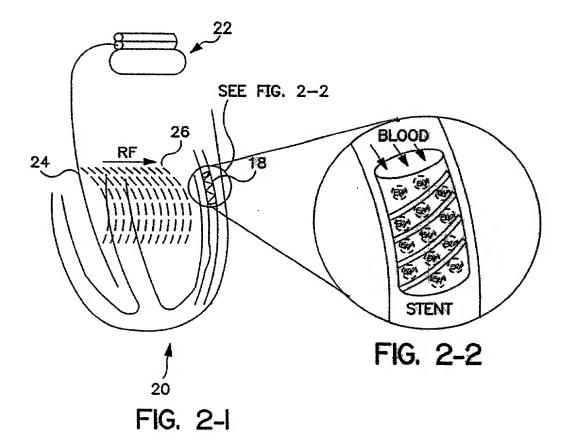
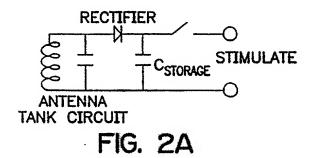


FIG. 1





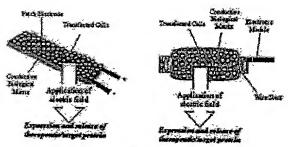


FIG. 3

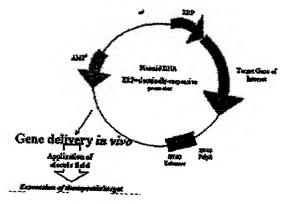


FIG. 4

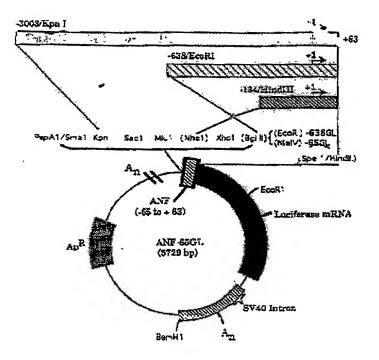
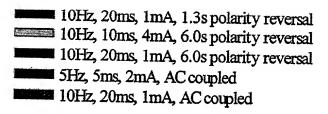
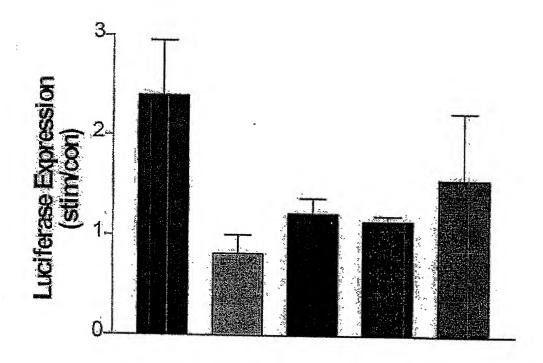


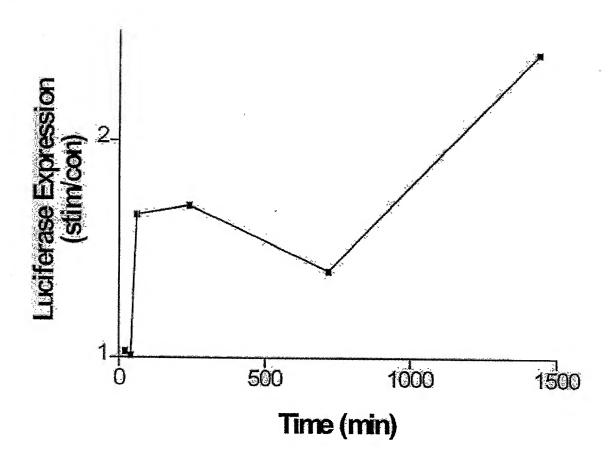
FIG. 5





Stimulus Parameters Tested

FIG. 6



**FIG.** 7

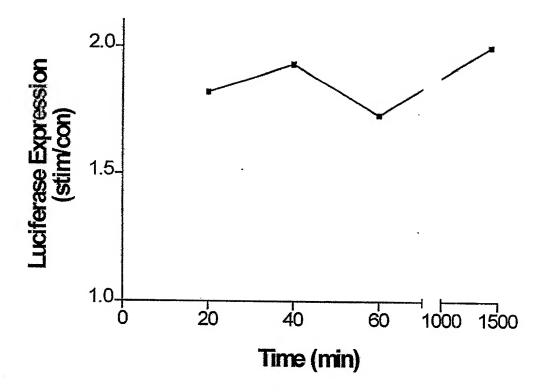
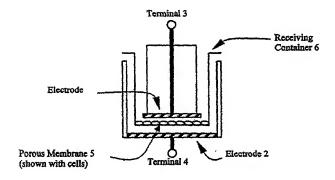


FIG. 8

## **Electrically Responsive Promoter Stimulation Apparatus**



**FIG.** 9

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## **Electrical Stimulation**

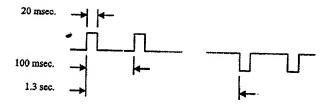


FIG. 10

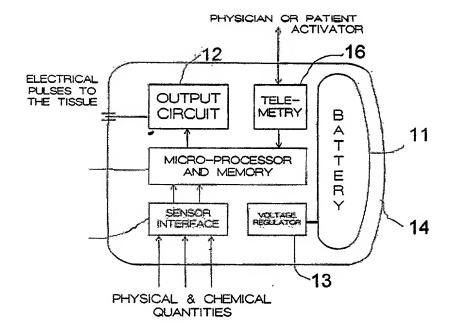
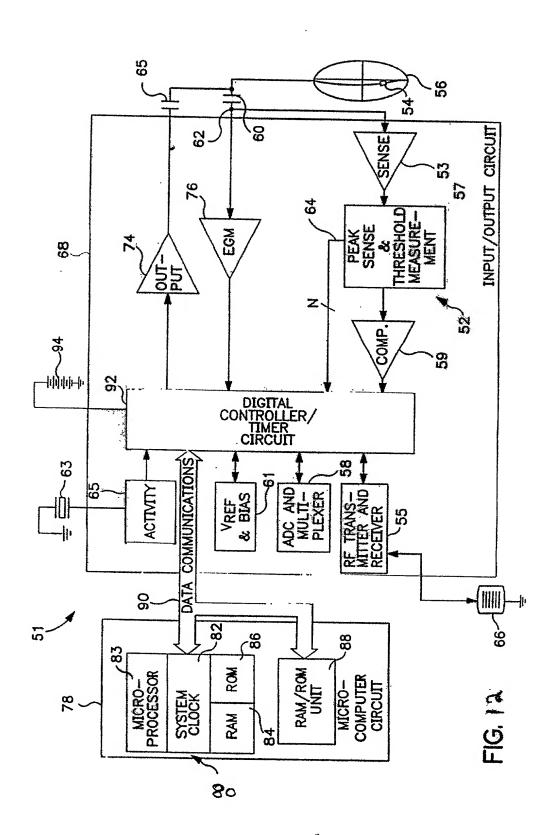


FIG. 11



## Simplified Schematic of the Output Circuit of A Stimulator

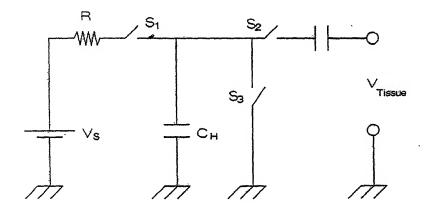


FIG. 13

Equivalent Circuit of the Output Stage During Stimulation

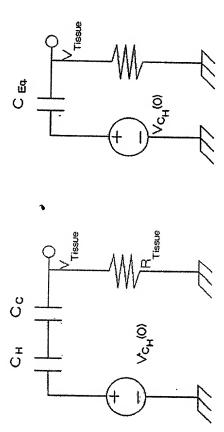


FIG. 14

## Timing of the Internal Signals and the Tissue Stimulation Signal

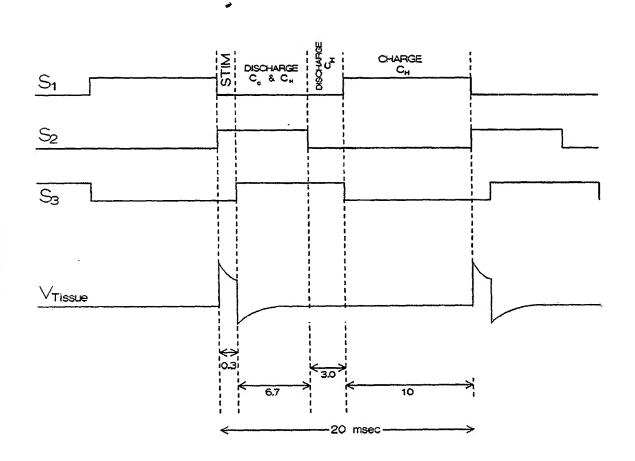


FIG. 15